

SUSHILIN, V. A.

42303: SUSHILIN, V. A. - Iz proktiki interpretatsii ekhogramm. Azerbaydzh. neft. Khoz-vo. 1948, No. 10, c. 8-9.

SO: Letopis' Zhurnal'nykh Stoyey, Vol. 47, 1948.

SUSHILIL V. A.

The speed of sound in the gas found in well intercasing space.  
Neft, khuz. 34 no. 6:39-41 Je '56.  
(Sound--Velocity) (Petroleum engineering)

(MLRA 9:9)

~~SUSHILIN, V.A.; ROMANOVA, N.L.; RYABOVA, Ye.G.~~

Adsorption test for water injection wells. Neft. khoz. 34 no.12;  
36-37 II '56. (MLRA 10:8)  
(Oil field flooding)

SUSHILIN, V.A.

Determining the influx and absorption of fluids by individual strata. Azerb.neft.khoz. 35 no.4:12-15 Ap '56. (MLRA 9:10)

(Oil field brines)

SUSHILIN, V.A.; KISLYAKOV, Yu.P.

Studying affluences in free flowing wells. Azerb.neft.khoz.36  
no.2:24 F '57.  
(Oil wells) (MLRA 10:4)

SUSHILIN, Vasiliy Alekseyevich; ISAKOVICH, R.Ya., red.; SAVINA, Z.A., ved. red.;  
POLOSINA, A.S., tekhn. red.

[Measurements in deep oil wells] Neftepromyslovye glubinnye izmereniia.  
Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry,  
1958. 168 p. (MIRA 11:10)

(oil wells--Equipment and supplies)

14()

sov/93-58-12-11/16

AUTHOR: Sushilin, V.A.TITLE: Ways of Improving the Design of Depth Output Meters  
(Puti usovershenstvovaniya glubinnykh debitomerov)

PERIODICAL: Neftyanoye khozyaystvo, 1958, Nr 12, pp 53-57 (USSR)

ABSTRACT: The output meter (Fig 1) designed by the VNII Institute in 1957 has ten defects. The defects were discovered by V.D. Lyapkov of the VNII Institute, Tskhovrebov of the Al'metyevneft' NPU, and the KIP laboratory. The chief defect is jamming of the stem during the measuring operations in the well. They suggested, therefore, that the meter be redesigned so that the stem will operate on the principle of tension instead of compression. This principle was successfully applied to the design of a flow meter for the Chapayevskneft' NPU. In the redesigned meter the mechanism for opening the canopy of the packer will be actuated either by an MGM-1-u clock spring (Fig 2) or by a thermobimetallic helical spring (Fig 3). The helical spring was first successfully employed in the drive of a cartogram shaft (Fig 4) when G.M. Mininzon's depth manometer was tested in 1945. An output meter of an entirely new design (Fig 5) has been suggested. The new meter has the following advantages: 1) absence of load and packing in the float system so that possible stem bending and jamming while

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Ways of Improving the Design (Cont.)

SOV/93-58-12-11/16

lowering and lifting the instrument is eliminated. 2) absence of a guide tube and a slide with a pivot for the recording instrument so that one friction zone is eliminated, 3) the corundum recording needle is directly joined to the upper end of the stem by means of a flat spring, and this considerably simplifies the design of the recording device, decreases the friction area, and increases the sensitivity of the float system, 4) the stem which unites the float system with the recording device moves in two directions only, and this also facilitates the stem operation and consequently increases the sensitivity of the instrument, and 5) the stem operates on the tension principle and it is, therefore, possible to reduce the stem from 6-4 mm. This will decrease the stem surface to half of its original size and consequently decrease the effect of the fluid viscosity on the accuracy of the readings. There are 5 figures.

Card 2/2

Sushilin, V.A.

SUSHILIN, V.A.

Using well-bottom flowmeter for determining the production capacity  
of an oil well. Neft. khoz. 36 no. 1:56-58 Ja '58. (MIRA 11:2)  
(Flowmeters) (Oil fields--Valuation)

SUSHILIN, V.A.

Improving deep level indicators. Neft.khoz. 36 no.12:53-57  
D '58. (MIRA 12:2)  
(Level indicators)

SUSZELIN, V.A.

Telemetering of flow in wells. Trudy VMII no.35:170-191 '61.  
(MIRA 15:1)  
(oil fields--Production methods)

SUSHILIN, V.A.

13  
AFANASIEVA, A.V., BAISHEV, B.T., VORISOV, YU.P., VASILIEVA, V.N.,  
VOYNOV, V.V., ZINOVIEVA, L.A., KAMENETSKIY, S.I., MAKISOV, M.I.,  
MAKISOV, M.M., MAYDEBOR, V.N., NOVINKOV, I.P., SOKOLOVSKIY, E.V.,  
SUSHILIN, V.A., YAKOVLEV, V.P.

Problem of developing oil in the USSR

Report to be submitted for the Sixth World Petroleum Congress  
Frankfurt, 16-26 June 63

SUSHILIN, V.A.

Investigating the operational advantages of deep-well flow gauges  
and interpreting and processing the cartograms of these instruments.  
Trudy VNII no.41:154-177 '64. (MIRA 17:11)

BERDICHENSKIY, Ya.

SUSHILINA, L., redaktor; SHAPOVA, M., tekhnicheskiy  
redaktor

[All-Union Industrial Exhibition] Vsesibirskaia promyshlenniaia vystavka.  
Moskva, Gos. izd-vo izobrazitel'nogo iskusstva, 1956. 1. v. (MLRA 10:3)  
(Moscow--Industrial exhibitions)

SUSHILINA, L., red.

Moskva, Moscow. Red. L.Sushilina. Moskva, Gos. izd-vo  
izobr. iskus., 1956. 163 p. of illus. (MIRA 15:4)  
(Moscow--Views)

SUSHILINA, P.I.; SOLENOVA, A.M.

Improving the operation of drawing the thread through the heddle.  
Obm.tekh.opyt. [MLP] no.15:33-34 '56. (MIRA 11:11)  
(Weaving)

32441-65 EWT(m)/EWA(d)/EWP(v)/EPR/T/EWP(t)/EWP(k)/EWP(b) Pf-4/Ps-4 IJP(c)  
JL/HM

ACCESSION NR: AP4047229

S/0125/64/000/010/0053/0060

AUTHOR: Sakhatskiy, G. P. (Candidate of technical sciences); Sushil'nikov, V. N.  
(Engineer)

TITLE: Contact butt welding of duralumin sections under conditions of volumetric  
compression

SOURCE: Avtomatischekaya svarka, no. 10, 1964, 53-60

TOPIC TAGS: contact welding, butt welding, weld strength, duralumin, aluminum alloy  
welding, electric welding

ABSTRACT: Regimes for contact butt welding (with resistance and flashing off) under  
volumetric compression. Mechanical properties (static and dynamic), and  
the fatigue limit of the joints are determined. Defects, character-  
istics of the joints, and the influence of the welding conditions on the quality of the  
joints are analyzed. The joints are compared with riveted joints. The joints are  
made of the original material (without heating) and with a regulation length.

Comparison of weld joints made of the original material and with a regulation length  
first to be 1.7-1.9 times higher and the fatigue limit 1.5 times greater than the second.  
All welded constructions are considerably smaller than the riveted ones. Orig. art. has:

Card 1/2

L 32441-65

ACCESSION NR: AP4047229

5 figures, 1 formula and 4 tables.

ASSOCIATION: Institut electrosvarki im. Ye. O. Patona AN UkrSSR (Electrowelding  
institute, AN UkrSSR)

SUBMITTED: 0 (Apr 64) ENCL: 00

SUB CODE: IE

NO REF Sov: 003 OTHER: 000

Card 2/2

CHUGUNOV, V., general-mayor aviatsii; SUSHIN, I., polkovnik

Constant attention to young communists. Av. i kosm. 47 no.4:47-48  
(MIRA 18:4)  
Ap '65.

SUSHIN, I. I.

86-8-5/22

AUTHOR: Sushin, I. I., Lt. Col.

TITLE: The Moral Characteristics of Soviet Fliers (Moral'nyy oblik sovetskogo letchika)

PERIODICAL: Vestnik Vozdushnogo Flota, 1957, Nr 8, pp.21-29 (USSR)

ABSTRACT: The article, which introduces the section "Education and Training" in the August 1957 issue of the periodical, deals with the requirements the Soviet military doctrine places upon Soviet fliers with respect to their moral characteristics. The author seeks to show the full meaning to be given to a series of worn-out terms formulating these requirements, and discusses some less popularly known features of character a Soviet flier is required to possess. As far as exact sciences are concerned, the article contains no data of any interest. An outline of the article follows: In the introductory part, the author emphasizes the increased importance the factor "morale" has acquired under the conditions of modern warfare, and stresses the role the officers are now called on to play in developing in their subordinates the moral qualities they are required to possess. In the first part of the body of the article

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86-8-5/22

## The Moral Characteristics of Soviet Fliers (Cont.)

the following terms are discussed and illustrated by examples taken from real life of the Soviet air force units: - "Utter devotion to the Socialist mother country". In order to give this expression a more concrete meaning, the author identifies it with the notion of "Soviet patriotism". He then contrasts the "flaming patriotism" of the Soviet officers with the "indifference" of the American commanding personnel in regard to the interests of their country. An American flier is said to have acknowledged that he joined the troops because of the pay officers receive there. - "Hatred of the enemy". The author indicates the target against which the hatred must be directed: "American imperialists and their accomplices". He also gives the reason: "they openly sped hundreds of millions of dollars on 'clandestine warfare' against the socialist countries". Col. Sushin takes care to specify that the hatred he is speaking about has nothing to do with the "zoological" (i.e. "racial") hatred "cultivated in the bourgeois armies." Soviet people are said to be "internationally minded", and their hatred is supposed to be directed against the exploiters, not against the masses. - "Self-discipline".

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86-8-5/22

## The Moral Characteristics of Soviet Fliers (Cont.)

The author extends the area covered by this notion to include military courage. "To be brave is to be able to subordinate the feeling of fear to the sense of duty." In the second part of the body of his article Col. Sushin discusses some less commonly mentioned features of character a Soviet flier is required to possess. According to the author, a Soviet flier: 1 - must be imbued with the feeling of "military comradeship". This feeling is supposed to result naturally from the fact that all Soviet soldiers live in an atmosphere of "socialist collectivism". 2 - must, as a Communist, "stick to the principles", 3 - and also remind his comrades of the necessity to stick to the same principles. Apparently in order to dodge the implications of this last requirement, the author in that connection also speaks of the "socialist humanism", one of the aspects of which is the "respect of the superior for his subordinates and humaneness in his treatment of them". "The commander, besides being a chief, must also be a comrade to his subordinates". It is asserted that this is possible only in a socialist country. 3 - must be "truthful and honest". The discussion of this requirement occupies

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86-8-5/22

## The Moral Characteristics of Soviet Fliers (Cont.)

half a page of the text. 4 - must strive to have "a normal family life", and to "have his children well brought up". According to Col. Shushin, the idea that the private life of Soviet officers is a matter of their own concern is mistaken: an officer cannot work efficiently if his family life is not normal. The third and last part of the article is devoted to a more loose discussion of the role the commanding personnel and the communist organizations must be given in the education of the troops. In Col. Sushin's view, the more a commander relies in his educational work on the Communist Party and Komsomol organizations of his unit, the more successful he will be. The duties of the Communist Party organizations are detailed as follows:

- In the first place, to instill the members of the party with the true spirit of the Marx-Lenin doctrine, and specifically: teach them to fight all shortcomings uncompromisingly, make them understand that their training performance must be exemplary, and that they must strictly observe all the rules of discipline, remind them constantly that that they must contribute in every possible way towards the strengthening of the authority of the commanders.
- .. Then, to control the activities of the Komsomol organizations

Card 4/5

86-8-5/22

## The Moral Characteristics of Soviet Fliers (Cont.)

and care for the political indoctrination and military education of the members of these organizations. - And finally, to watch the moods of the personnel and to be informed of their needs. This summing-up of the duties of the Communist Party organizations is followed by these comments: - A good knowledge of the Marx-Lenin theories permits the officers to understand fully the Soviet military doctrine and enables them, by becoming familiar with a truly scientific method of thinking, to properly organize their practical work. - An officer strong in his Communist belief will naturally appraise the events around him from the Communist Party's point of view. - The higher the level of ideological concepts of an officer, the stronger he is morally, and the greater are his qualities as a combatant. The commanders, political instructors, members of the Communist party and Komsomol organizations are called upon to untiringly make all officers and men see how wise the policies of the Communist Party are. The concluding sentence calls for further strengthening of the combat preparedness of Soviet soldiers.

AVAILABLE: Library of Congress  
Card 5/5

SUSHIN, I., polkovnik

Source of invincibility. Av.i kosm. 46 no.7:2-8 J1 '63.  
(Aeronautics) (Astronautics) (MIRA 16:8)

DIDENKO, K.I.; PIVOVAROV, Yu.I.; SUSHIN, V.A.

Noncontact electronic potentiometer. Avtom. i prib. no.1:53-56  
(MIRA 16:3)  
Ja-Mr '63.

1. Khar'kovskiy zavod kontrol'no-izmeritel'nykh priborov.  
(Potentiometer)

ACC NR: AP7004256

(A)

SOURCE CODE: UR/0432/66/000/002/0031/0034

AUTHOR: Didenko, K. I. (Candidate of technical sciences); Gafanovich, M. D.;  
Sushin, V. A.

ORG: none

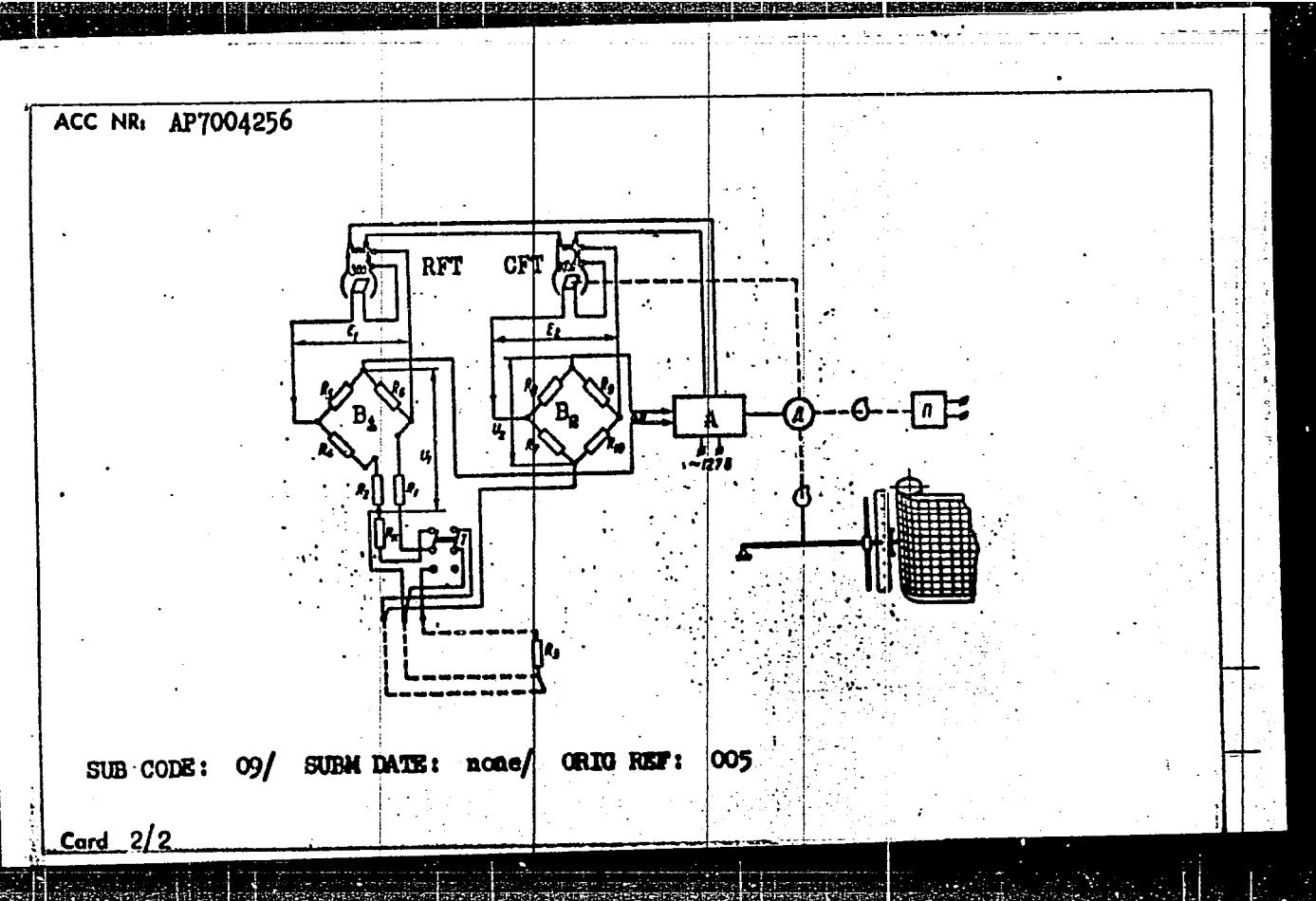
TITLE: Automatic rheochordless bridge

SOURCE: Mekhanizatsiya i avtomatizatsiya upravleniya, no. 2, 1966, 31-34

TOPIC TAGS: ferrodynamic bridge, temperature measurement / MFSM temperature recorder  
~~temperature instrument, temperature recorder~~ABSTRACT: OSKB of the Khar'kov Control-and-Measuring Instrument Plant has developed a small-size ferrodynamic temperature recorder that does not contain slide-wire rheostats or any movable-contact device. The new recorder is based on the automatic compensation of a voltage proportional to thermometer resistance by an electric signal produced by a contactless ferrodynamic transducer (see figure). Electronic amplifier A receives a difference of voltages taken from the diagonals of unbalanced bridges  $E_1$  and  $E_2$ . Bridge  $E_1$  is supplied by reference ferrodynamic transducer RFT while bridge  $E_2$ , by compensating CFT. The recorder uses both copper and platinum resistance thermometers; its claimed error does not exceed  $\pm 0.5\%$  full scale; full-deflection time, 2.5, 8, or 18 sec; chart rate, 20, 40, 60, or 120 mm/hr. Orig. art. has: 2 figures and 8 formulas.

Card 1/2

UDC: 621.317.733



Sushin, V.G.

AUTHOR: Morosnikov, I.A., and Sushin, V.G. 290

TITLE: Reasons for crack-formation in pipes of type LZhMts59-1-1 Alloy and their elimination. (Prichiny obrazovaniya teshchin na trubakh iz splava marki LZMts59-1-1 i ustranenie ikh.)

PERIODICAL: "Tsvetnye Metally" (Non-ferrous Metals), 1957, No. 1, pp. 82 - 85, (U.S.S.R.)

ABSTRACT: Elliptical tubes made from a certain type of brass were found to have cracks on their external surfaces, orientated approximately perpendicularly to and at an angle of 45° to the tubes axis. Cracked tubes have been subjected to mechanical and microstructural investigation, parallel investigations being made of the effect of heat treatments on alloy properties. It is concluded that the following measures are essential for avoiding crack formation: a) hot-pressed tubes, cooled in water, to be annealed at 550 °C with a soaking of one hour; b) tubes after annealing to be cooled from a temperature not over 350 °C.

There are 7 figures and 1 Russian reference.

NEPOMNYASHCHIY, L.B.; SUSHIN, V.I.; TRASKUNOVA, T.V.

X-ray camera for producing radiograms of two samples at  
small angles. Zav.lab. no.4:498-499 '60. (MIRA 13:6)  
(X rays—Equipment and supplies)  
(Radiography)

BYKOV, V.T.; SUSHIN, V.N.

Use of infrared spectroscopy for investigating natural sorbents.  
Kin.i kat. 3 no.5:788-793 S-0 '62. (MIRA 16:1)

1. Dal'nevostochnyy filial Sibirskogo otdeleniya AN SSSR.  
(Sorbents—Spectra)

SAPRONOV, V.I.; TKACHENKO, Ye.A.; SUSHIN, V.N.

Investigation of natural sorbents by a series of physical  
methods. Trudy DVFA N SSSR, Ser. khim. no. 7, 31-41 '65.  
(MIRA 18:12)

SUSHIN, V.Ye.

Provide the textile industry with high-quality auxiliary equipment. Tekst.prom. 20 no.1:15-17 Ja '60.  
(MIRA 13:5)

1. Nachal'nik Rosglavtekstil'slabsbytsyr'ye pri Gosplane RSFSR.  
(Textile industry--Equipment and supplies)

-- SUSHIN, V.Ye.

Auxiliary equipment made from chemical materials. Tekst.prom.  
20 no.8:10-13 Ag '60. (MIRA 13:9)

1. Nachal'nik Rosglavtsekstil'snababytsyr'ye pri Gosplane RSFSR.  
(Plastics) (Textile machinery)

SUSHIN, Vasiliy Yefimovich; KVASHENKO, Yury Kirillovich; DUDIN, Semen Ivanovich; ANDRONOVA, Lyubov' Nikanorovna; PETLAKH, Abram Smerkovich; GRIGOR'YEV, Vasiliy Nikolayevich; KOLYCHEVA, Nataliya Ivanovna; CHUGREYEVA, V.N., red.; TINDE, N.F., red.; BATYREVA, G.G., tekhn. red.; VINOGRADOVA, G.A., tekhn. red.

[Manual on auxiliary equipment and supplies for the textile industry] Spravochnik po vspomogatel'nym izdeliam dlja tekstil'noi promyshlennosti. Pod red. V.E.Sushina i N.F.Tinde. Moskva, Rostekhizdat, 1963. 432 p. (MIRA 16:5)  
(Textile industry--Equipment and supplies)

SUSHINA, M. V.

Dissertation: "Hemopoiesis in Suppurating Lung Diseases." Cand Med Sci, Second  
Moscow State Medical Inst imeni I. V. Stalin, Moscow, 25 Jun 54. (Meditinskiy  
Rabotnik, Moscow, 15 Jun 54)

SO: SUM 318, 23 Dec. 1954

*SUSHINA, M.V.*  
SUSHINA, M.V., kand.med.nauk (Chelyabinsk)

Hemopoiesis in suppurative diseases of the lungs. Klin.med. 35  
[i.e.34] no.1. Supplement:48-49 Ja '57. (MIRA 11:2)

1. Iz gospital'noy terapeuticheskoy kliniki (dir. - chlen-korrespon-  
dent AMN SSSR prof. A.A.Bagdasarov) II Moskovskogo meditsinskogo  
instituta imeni I.V.Stalina.  
(LUNGS--ABSCCESS) (BLOOD)

SUSHINA, O. T., Cand Med Sci -- (diss) "Development of the ischio-  
rectal fossa in man and its venous system." Kuybyshev, 1960. 18 pp;  
(Kuybyshev State Medical Inst, Chair of Normal Anatomy); 300 copies;  
price not given; (KL, 30-60, 140)

SUSHINA, O.T., aspirant

Veins of the walls of the human ischiorectal fossa. Elem. prokt.  
no.2:19-26 '60. (MIRA 14:11)

1. Iz kafedry normal'noy anatomi, zaveduyushchiy kafedroy prof.  
F.P. Markizov. (PERINEUM—BLOOD SUPPLY)

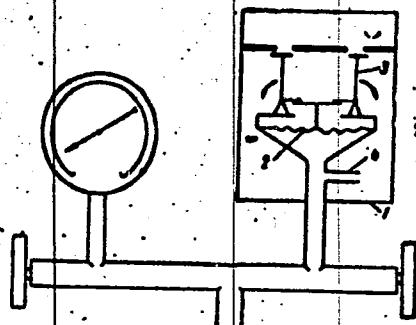
SUSHINA, O.T., aspirant

Development of the human ischiorectal fossa and its venous system.  
Trudy Kuib.med.inst. 11:197-203 '60. (MIRA 15:8)

1. Iz kafedry normal'noy anatomi (zav. kafedroy prof. F.P.  
Markizov) Kuybyshevskogo meditsinskogo instituta.  
(PERINEUM—BLOOD SUPPLY)

ACC NR:	AP7009097	SOURCE CODE:	UR/0413/67/000/003/0070/0070
INVENTOR: Glukharev, A. I.; Foygel', L. A.; Sushinkin, Ye. I.; Gerashchenko, V. A.			
ORG: None			
TITLE: An oxygen flow indicator. Class 30, No. 191046			
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1967, 70			
TOPIC TAGS: flow meter, oxygen, medical equipment			
ABSTRACT: This Author's Certificate introduces an oxygen flow indicator containing a housing with a diaphragm which interacts with indicator flags. The instrument may be used at relatively high oxygen pressures. The cavities above and below the diaphragm are connected through a hydraulic resistor which may be made in the form of a tube with a small inside diameter.			
Card	1/2		
			UDC: 612.22.02-087

ACC NR: AP7009097



1---housing; 2---diaphragm; 3---flags; 4---hydraulic resistor

SUB CODE: 14, 06 SUBM DATE: 15Mar65

Card 2/2

SUSHINOV, A.

He is interested in everything. Okhr.truda i sots.strakh. 4  
no,7:20-21 J1 '61. (MIRA 14:7)

1. Spetsial'nyy korrespondent zhurnala "Okhrana truda i sotsial'noye  
strakhovaniye".  
(Sokol—Paper industry—Hygienic aspects)

SUSHINSKAYA, L. Ya.

Stability of lead in water. L. Ya. Sushinskaya (Med. Inst., Irkutsk). Giprorech. Sand. 1933, No. 8, 49. — The best adsorbent for dissolved Pb in water ( $Pb(NO_3)_2$ ) in aq. soln. was found to be clay. The Pb solns. are completely stable in neutral or acid solns., but in alk. soln. (pH 8.4) the Pb content gradually ppts. on standing in contact with air. For removal from industrial liquors an alk. soln. in combination with clay adsorbent is recommended.

G. M. Kosolapoff

Chemical  
Hygiene

SOV/84-60-2-34/59

1(

AUTHOR: Sushinskiy, A. and Miroshnichenko, Yu., Engineers

TITLE: The TPM-An-2 Trainer 4

PERIODICAL: Grazhdanskaya aviatsiya, 1960, Nr 2, p 18 (USSR)

ABSTRACT: The authors give a general functional description of a new TP-An-2 Trainer developed by their (unidentified) organization and put into serial production. It is intended for initial training of pilots in the technique of flight, blind flying, landing approach and flying by means of radio-technical equipment. The TP-An-2 trainer consists of a mock-up cabin of the An-2, a coordinator and an instructor's control desk with an electric switch panel. It is powered from a single-phase 127 or 220v, 50 Hertz AC network, consumes not more than 2.5 kw. In this trainer it is possible to do an imaginary flight, as true to life as possible, in such elements as the take

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SOV/84-60-2-34/59

## The TPM-An-2 Trainer

off and landing with full and raised flaps, climbing at a rate of up to 4m/sec up to 1200 m, straight-line flight within 75-250 km p.h., landing at a prescribed magnetic track angle, two way communication with the dispatcher, the use of radio-compass, and determining thereby the drift angle and wind vector, setting up the course at a homing radio-station, the OSP and SP-50 landing approach, and landing approach by means of the direction-finding receiver. It can also simulate a failure of flaps and instruments, such as the air speed indicator, aviahorizon, variometer, open antenna, radio-compass course indicator, etc. The initial variant has been modified with help from the Kiyevskiy institut GVF (Kiyev Institute of GVF) to become the TPM-An-2 trainer shown here in a photograph. This trainer is additionally capable of imi-

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SOV/84-60-2-34/59

The TPM-An-2 Trainer

tating the engine operations and sound, the fuel consumption and the influence of the wind upon the landing approach at varied magnetic track angles. A commission of GUGVF has given the TPM-An-2 trainer a high appraisal. There is 1 photo. ✓

Card 3/3

SUSHINSKIY, Mikhail Mikhaylovich -- awarded sci degree of Doc Physico-Math Sci for the 24 Jun 57 defense of dissertation: "Spectra of combinatorial [kombinatsionnogo] dispersion and the structure of hydrocarbons" at the Council, Physics Inst imeni Lebedev, AS, USSR; Prot No 9, 19 Apr 58.  
(BMVO, 10-58,14)

USSR/Photochemistry. Radiation Chemistry. Theory of Photographic B-10  
Process.

*Khimiya, 1/6*  
Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 26261

Author : A. N. Terenin, A. V., Karyakin, Ye. B. Lyubomudrov, O. D. Dmitriyev-  
skiy, P. E. Sushinskiy

Title : Alterations of Spectra of Phthalocyanins in Solutions under  
Action of Powerful light Impulses.

Orig Pub : Optika i spektroskopiya, 1956, 1, No 4, 456-462

Abstract : Solutions of phthalocyanins (ph) of Mg, Zn, Fe, Cu and Co in  
alcohol, acetone, ether, pyridine and toluene ( $10^{-4}$  to  $10^{-5}$ M)  
were liberated of  $O_2$  by vacuum treatment and illuminated with  
an impulse bulb ISS-250 (Flash energy 250 joules, flash  
duration  $10^{-3}$  to  $10^{-4}$  sec.) The spectra in the range of 0.5  
to 0.9 were photographed with a spectrograph ISP-51. Either  
the impulse bulb itself, or another impulse bulb lighted by a  
time relay switch  $2 \times 10^{-5}$  to  $2.1$  sec. after the flash of the  
first bulb served as the light source. PhMg and PhZn are  
subject to a short-duration (from 0.8 to  $1 \times 10^{-3}$  sec. in case  
of PhMg) discoloration under the action of a flash. The dis-  
coloration of PhMg and PhZn is completely eliminated by letting

Card : 1/2

USSR/Photochemistry. Radiation Chemistry. Theory of Photographic B-10  
Process.

Abs Jour : Ref Zhur - Khimiya, No. 8, 1957, 26261

O<sub>2</sub> in to the solution; no discoloration of solutions of PhFe,  
PhCu and PhCo is observed; solutions of PhMg and PhZn are  
fluorescent. The surmise is expressed that the short-duration  
discoloration is the result of the molecule transition into  
the metastable (triplet) state.

Card : 2/2

SUSHINSKIY, V.A., inzh.

Automatic control of a single-bucket excavator with a multimotor electric drive with alternating current. Gor. zhur. no.7:59-61 J1 '62. (MIRA 15:7)

1. Koyrevskiy ekskavatornyy zavod.  
(Excavating machinery—Electric driving)  
(Automatic control)

14(10)

AUTHORS:

Brovkin, Ye. A. Sushintsev, Ye. V.

SOV/67-59-4-12/19

TITLE:

Stainless Steel Bushes for the Compressor 2RK-1.5/220

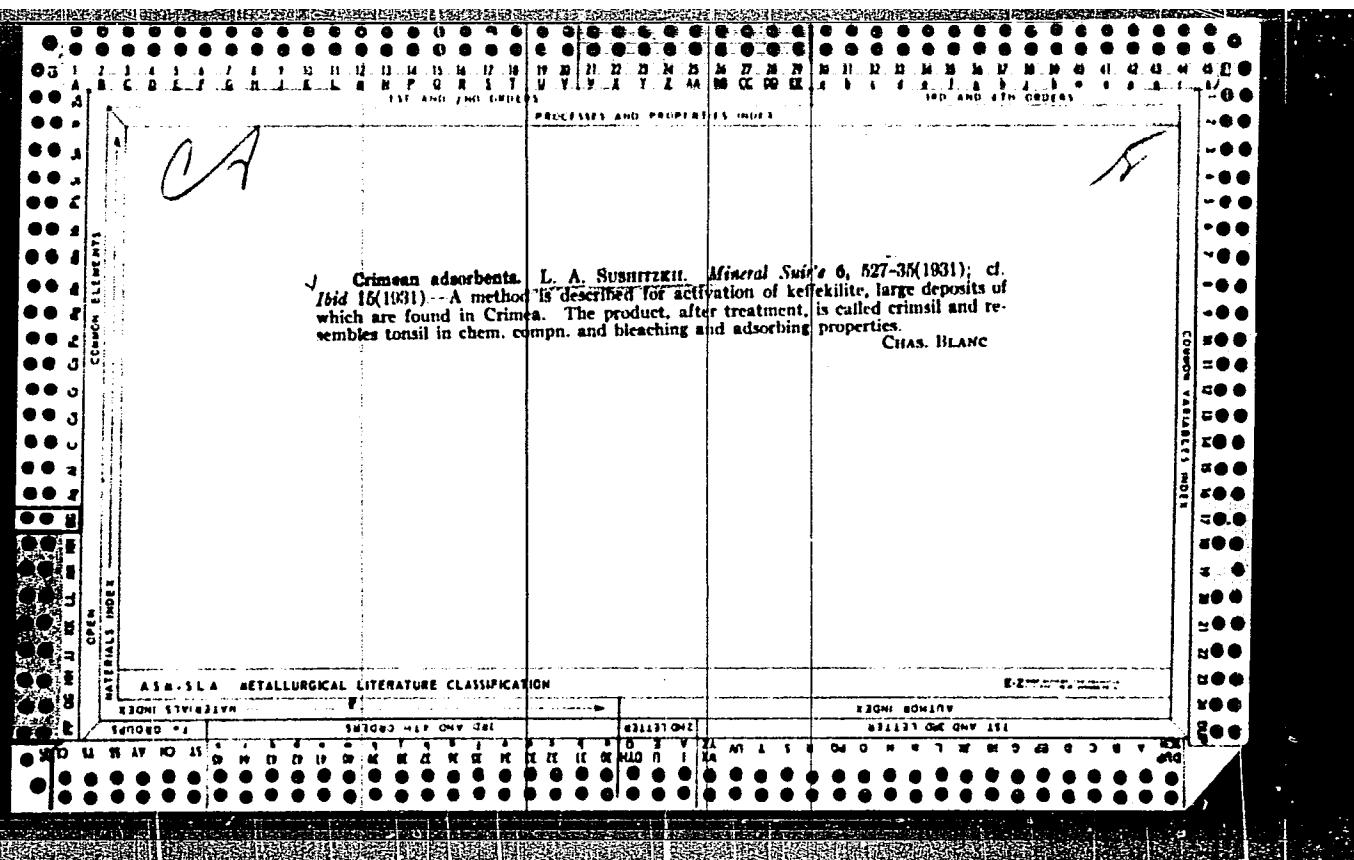
PERIODICAL:

Kislorod, 1959, Nr 4, p 45 (USSR)

ABSTRACT:

One of the main drawbacks in this compressor is the rapid wear of the bushes. In the authors' experience, stainless steel bushes of the type 1Kh18N9 are subject to much less wear than are the bronze bushes which the factory uses for the compressor.

Card 1/1



SUSHITSKIY, L. A.

SUSHITSKIY, L. A. "Chemical Measures for the Control of Canker on Fruit Crops," Sad i Ogorod, no. 9, 1948, pp. 51-52. 80 Sal3

SO: SIR: SI-90-53 15 Dec. 1953

SUSHITSKIY, L. A.

IUGANOVA, O. N., and SUSHITSKIY, L. A. "Use of Copper Naphthenate for the Control of Stone Fruit Diseases." Sad i Gorod, no 12, 1950, pp. 30-33. 80 Sal3.

So: SIRA SI-90-53, 15 Dec. 1951

YUGAMOVA, T. N., SUSHITSKIY, L. A.

"The Utilization of Copper Naphthenate in Combating  
Diseases of Stone Fruits." Sad i Ogorod, 1950, No. 12.

Mikrobiologiya, Vol XX, No. 5, 1951

~~W-24635~~

*Review of Applied Mycology*

SUSHICKIX (L.A.).—The preparation of copper naphthenate.—Sad i Ogorod (Orchard and Garden), 1950, 2, pp. 25-26, 1950. [Russian. Abstr. in *Hort. Abstr.*, 20, 3, p. 217, 1950.]

Details are given of the preparation of copper naphthenate which is said to be widely used [in U.S.S.R. see below, p. 166] as a substitute for Bordeaux mixture in the control of diseases such as apricot brown rot [*Sclerotinia fructigena* and *S. laza*: cf. *R.A.M.*, 29, p. 102] and *Clasterosporium* leaf spot [*C. carpophilum*] of stone fruit trees.

SUSHITSKIY, L. A.

15/63. Substitute for Bordeaux Spray. J. Zinov'ev *Industrii*  
et zhidkost. L. A. Sushitskii. *Sud. i Ogranich.* 1951, no. 7.

Fungicidal dust for use on tomatoes, etc., does not have draw-backs of Bordeaux mixture. Contains 10% Cu naphthenate and 90% bentonite.

APPROVED FOR RELEASE: 03/14/2001

**CIA-RDP86-00513R001654010006-8"**

SUSHITSKIY, L.A.

Industrial use of Crimean bentonites. Bent. gliny Ukr. no.2:151-155  
'58. (MIRA 12:12)

1. Institut mineral'nykh resursov AN USSR.  
(Crimea--Bentonite)

MALAKHOVSKIY, V.F.; SHARGORODSKIY, S.D.; SUSHITSKIY, L.A.; GLIKMAN, N.,  
red.; FISENKO, A., tekhn. red.

[Mineral resources of the Crimea and their utilization in  
chemical industries] Mineral'nye bogatstva Kryma - khimiche-  
skoi promyshlennosti. Simferopol', Krymizdat, 1959. 37 p.  
(MIRA 15:11)

(Crimea—Mines and mineral resources)  
(Chemical industries)

SUSHITSKIY, L.A. [Sushyts'kyi, L.A.]; PTITSYNA, N.V. [Ptytsyna, N.V.]

Cupronaphth, a new substitute for Bordeaux liquid. Dop.  
AN URSR no. 10:1368-1370 '61. (MIRA 14:11)

1. Institut mineral'nykh resursov AN USSR. Predstavлено akademikom  
AN USSR A.V. Dumanskim [Dumans'kyi, A.V.].  
(Bordeaux mixture)

PTITSINA, N.V. [Ptytsina, N.V.]; SUSHITSKIY, L.A. [Sushyts'kyi, L.A.]

Use of dispersed clays as fungicide carriers. Khim. prom.  
no.4:62-63 O-D '64. (MIRA 18:3)

SUSHITSKIY, L.F.

Improved autoclave bubbler. Kons. I ov. prom. 13 no.10:9 0 '58.  
(MIRA 11:10)

1. Kamenets-Podol'skiy konservnyy zavod.  
(Autoclaves) (Canning industry--Equipment and supplies)

SUSHITSKIY, L.F.

Machine for dicing vegetables. Kons. i ov. prom. 14 no.5:12-13  
My '59.

(MIRA 12:6)

1. Kamenets-Podol'skiy konservnyy zavod.  
(Kamenets-Podol'skiy--Canning industry--Equipment and supplies)

SUSHITSKIY, F. I.

Meteorites

Meteorites in the Khar'kov University collection on June 30, 1949. Meteoritika, No. 9, 1951.

9. Monthly List of Russian Accessions, Library of Congress, June 1958, Uncl.  
52

SUSHITSKIY, P. I.

Meteorites - Talaevka District

Sumy bolide of June 17, 1950. Meteoritika No. 10, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

SUSHITS'KIY, P. I.

USSR/Physics of the Earth - Origin and Structure of the Earth, 0-2

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 36341

Author: Sushits'kiy, P. I.

Institution: None

Title: Rocky Meteorite that Fell in Dzvonkovo on 2 September 1955

Original  
Periodical: Geologichniy zh., 1955, 15, No 4, 92-93; Ukrainian

Abstract: None

Card 1/1

SUSHITSKIY, P.I., kandidat geologo-mineralogicheskikh nauk.

Fall of the stone meteorite in Zvonkovoye village. Priroda 45  
no.5:110 My '56. (MLBA 9:8)

1. Institut geologicheskikh nauk Akademii nauk USSR.  
(Kiev Province--Meteorites)

~~BURKSER, Ye.S.; SUSHITS'KIV, P.I.~~

Seventh Conference on Meteorites in Moscow. Geol. zhur. 17 no.1:91-92  
'57. (MIRA 10:4)

(Meteorites)

SUSHITSKIY, P.I.

Results of the study of the fireball observed in the Ukraine on  
June 30, 1954. Meteoritika no.16:137-139 '58. (MIRA 11:8)  
(Ukraine--Meteorites)

SUSHKEVICH, ANTON KAZIMIROVICH DECEASED

1964

Math.

1962

SUSHKEVICH, B.I.; RYABOKONSKIY, A.V.

Experience of the Beregovoye Leather Factory in the manufacture of chamois dressed sheep leather for shoes. Kozh. obuv. prom. 6 no.6: 36-37 Je '64. (MIRA 17:9)

1. Glavnyy inzh. Beregovskogo kozhevennogo zavoda (for Sushkevich).
2. Nachal'nik zol'no-dubil'nogo tschka Beregovskogo kozhevennogo zavoda (for Ryabokonskiy).

SUSHKEVICH, B.I. [Sushkevych, B.I.]

Methods to improve the quality of lid and cabretta leather used in the  
Beregovo Leather Factory. Leh. prom. no. 3:29-30 Jl-S '64.  
(MIRA 17:10)

SUSHKEVICH, M. V.

N/5  
743.281  
.S9  
1954

Spravochnik po kontrolyu kachestva remonta traktorov (Handbook on the Control of the Quality of Tractor Repair, By) M. V. Sushkevich i M. A. Pavlov. 1zd. 2 isprav. 1 dopol. Stavropol. Knizhnoye 1zd-vo, 1954.  
399 p. illus., diagrs., tables.  
"Ispol'zovannaya literatura": p. 395

SUSHKEVICH, Mikhail Valer'yevich; PAVLOV, M.A., dotsent, red.; GORA, G.T.,  
red.; STEBLYANKO, T.V., tekhn. red.

[Maintenance of tractors] Tekhnicheskii ukhod za traktorami. Pod  
red. M.A.Pavlova. Stavropol', Stavropol'skoe knizhnoe izd-vo,  
1960. 317 p.  
(Tractors--Maintenance and repair)

SUSHKEVICH, M.V.

Local electroplating. Mashinostroitel' no.7:18-19 Jl '60.  
(Electroplating) (MIRA 13:7)

SUSHKEVICH, M.V.

"An Investigation of the Restoration of Rigid Couplings by Galvanic Zinc Plating by Means of an Electro-deposition Process";

dissertation for the degree of Candidate of Technical Sciences  
(awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2,  
1963, pp 232-236)

SUSHKEVICH, N.I.; TOKAREVICH, K.N.

Tularemia in Kaliningrad Province; and essay on its epidemiology.  
Trudy Len.inst.ipid.i mikrobiol. 20:106-123 '59. (MIRA 16:1)

1. Iz Kaliningradskoy oblastnoy protivotularemicheskoy stantsii i  
laboratorii osobo-opasnykh infektsiy Leningradskogo instituta  
epidemiologii, mikrobiologii i gigiyeny imeni Pastera.  
(KALININGRAD PROVINCE--TULAREMIA)

SUSHKEVICH, N.I.; BUTYRINA, K.A.

Leptospirosis in Kaliningrad Province. Trudy Len.inst.epid.i  
mikrobiol. 23:251-255 '61. (MIRA 16:3)

1. Iz otdela osobo opasnykh infektsiy Kaliningradskoy oblastnoy  
sanitarno-epidemiologicheskoy stantsii.  
(KALININGRAD PROVINCE—LEPTOSPIROSIS)

ACCESSION NR: AP4012001

S/0208/64/001/001/0023/0034

AUTHORS: Maslennikov, M. V. (Moscow); Sushkevich, T. A. (Moscow)

TITLE: Asymptotic properties of the solution of the characteristic equation in  
the theory of radiation transfer in strongly absorbing media

SOURCE: Zhurnal vychisl. matem. i matem. fiz., v. 4, no. 1, 1964, 23-34

TOPIC TAGS: asymptotic property, characteristic equation, radiation transfer,  
absorbing medium, integral equation, nonnegative solution, eigenfunction, eigenval-  
ue

ABSTRACT: The authors study the integral equation

$$M(\lambda)(1 + \lambda\mu)\Phi_\lambda(\mu) = \hat{g}\Phi_\lambda(\mu), \quad (1)$$

where  $\mu$  is an independent variable,  $\mu \in [-1, 1]$ ,  $\Phi_\lambda(\mu)$  is an unknown function,  
 $\lambda$  is a parameter,

$$\lambda \in [0, 1], g(\mu) = \int_{-1}^1 g(\mu, \mu') f(\mu') d\mu', g(\mu, \mu')$$

is a kernel defined later. This is the characteristic equation arising in asymp-

Card 1/2

ACCESSION NR: AP4012001

totic theory of radiation passage through thick layers of matter. Its nonnegative solutions, corresponding to the values of  $\lambda$  for which  $M(\lambda) = 1$ , uniquely determine the structure of the principal term of the spatial-angular distribution of radiation in the depth of a thick layer. For  $\lambda \in [0, 1]$  there exists only one nonnegative eigenfunction  $\Phi_\lambda(\mu)$  of equation (1): it continuously depends on  $\mu$ ,  $\mu \in [-1, 1]$ , and corresponds to the simple positive eigenvalue  $M(\lambda)$ . The authors establish the asymptotic behavior of the eigenvalue  $M(\lambda)$  and the eigenfunctions  $\Phi_\lambda(\mu)$  for values of  $\lambda$  close to unity. This type of problem arises in the theory of radiation passage through highly absorbent matter. Orig. art. has: 62 formulas.

ASSOCIATION: none

SUBMITTED: 19Oct62

SUB CODE: MM

DATE ACQ: 11 Feb 64

NO REF SOV: 003

ENCL: 00

OTHER: 001

Card 2/2

UGAROVICH, M.; SARKISYAN, I.

"The Nature of Nitrating Mixtures" Part IV.  
"The Nitration of Toluene in the Presence of  
Monochloroacetic Acid and Ethyl Nitrate," Zhur.  
Oshch. Khim, 10, No. 3, 1940. Laboratory of  
Physical Chemistry, Central Asiatic State University  
Received 21 July 1939.

Report U-1526, 24 Oct 52.

SUSHKEVICH, T. I.

Chemical Abst.  
Vol. 48 No. 4  
Feb. 25, 1954  
Inorganic Chemistry

Complex compounds of anabasine with cobalt salts.  
T. I. Sushkevich and V. V. Uvarova (Mid-Asiatic State

Univ., Tashkent). *Doklady Akad. Nauk UZSSR*, 1949, No. 3, 18-20 (in Russian).—Addn. of anabasine to aq.  $\text{CoCl}_2$ , with cooling, followed by addn. of HCl to dissolve the greenish ppt. of hydrated Co, gave blue  $\text{CoCl}_2 \cdot \text{C}_{10}\text{H}_{14}\text{N}_2 \cdot 2\text{HCl}$ , m. 233°, when an excess of HCl was used, or the corresponding  $\text{CoCl}_2 \cdot \text{C}_{10}\text{H}_{14}\text{N}_2 \cdot \text{HCl}$ , m. 303°, with the correspondingly smaller amount of HCl. Both are sol. in  $\text{H}_2\text{O}$ , insol. in usual org. solvents, except for hot  $\text{HCO}_2\text{H}$ ; both are electrolytes in aq. soln., and the cond. indicates complete dissoc. in soln. of the di-HCl salt with 8 ions being formed; the mono-HCl salt is a weak electrolyte. Anabasine also forms complexes with  $\text{CuCl}_2$  and  $\text{MnCl}_2$ , which are not described.

G. M. Kosolapoff

1-27-54

SUSHKEVICH, T. I.

183T46

USSR/Chemistry - Electrolysis of Water Jun 51

"Electrical Conductivity and Viscosity of System KOH -  $K_2CO_3$  -  $H_2O$ ," M. I. Usanovich, T. I. Sushkevich

"Zhur Prik Khim" Vol XXIV, No 6, pp 590-592

Dtd elec cond of 18.86-41.59% KOH solns contg 1-31%  $K_2CO_3$  at 25, 50, and 97°C. Sp cond of KOH decreases with addn of  $K_2CO_3$ . Dtd viscosity of 2 concns of KOH with different  $K_2CO_3$  content at 25 and 50°C. It increases with addn of  $K_2CO_3$ . Sp cond is lowered at expense of increased viscosity. KOH solns of these concns are used in industrial electrolysis of water.

183T46

USMANOV, Kh.U.; SUSHKEVICH, T.I.

Study of the cotton fiber according to the molecular weight of its cellulose. Trudy Inst.khim. AN Uzb.SSR no.5:23-29 '54. (MIRA 8:4)  
(Cotton)

SUSARIA 2000

A study of the cotton fiber in the initial stage of development. Kh. U. Usmanov, T. I. Sushkevich, and R. S. Tillaev (Inst. Chem. Acad. SFSR, Tashkent, S.S.R., Tashkent). *Plod. Rastenii, Akad. Nauk S.S.R.* 1, 358-63 (1959).— Local application of  $C^{14}O_2$  to leaves by means of a movable glass chamber was used for a study of the nature of the process of fiber development in a cotton plant. Carbohydrate content of the cotton fiber revealed that in the early stage, both glucose and fructose are present. It is suggested that cellulose synthesis begins and ends in the same cotton filament directly from the monosaccharides present in it. A sharp decline in monosaccharides occurs at 15-20 days after flowering, depending on the variety of the plant. These periods are those of sugar "starvation" which must be overcome in order that the crop yield be raised. The most rapid accumulation of cellulose matter and decline of simple carbohydrates occurs in the early stage of fiber formation; relatively low mol. material is present at this stage indicating the probability of a polycondensation mechanism, rather than a polymerization mechanism for the formation of cellulose.

G. M. Kosolapoff

2

USMANOV, Kh. U., SUSHKEVICH, T.I.,

"Problem of Mechanism Governing the Formation of Cellulose"

Doklady Akad Nauk Uzbek SSR, No. 2, 1956

To be submitted for the International Symposium on Macromolecular Chemistry,  
Montreal, Canada, 27 Jul - 1 Aug 1951.

USSR

SHIBOLETKI, T. N., Institute of High Molecular Chemistry, Academy of Sciences USSR, Leningrad,  
jointly with KHITRIN, V. R., and KAZAKHO, M.,  
Duke University, Duran, N.C., "Zlectivity  
of cubic lattice chain networks" (Group 2)

DOLGACHEV, B. S. and ZINOV'EV, A. A., Moscow  
Institute of Fine Chemical Technology, Institute M. V.  
Volodarsk, "Interaction of Polyethylene with  
multilayer" (Groups 4-5)

KASHIN, I. I., Head, Laboratory of Colloidal  
Chemistry, Scientific Research Physico-Chemical  
Institute Ipat'ev, M. M. Karpov, Moscow - "The  
formation of big crystal structures in polymers  
and their properties" (Group 2, Invited lecture)

KUZNETSOV, A. A., Institute of Petroleum, Academy of Sciences  
USSR, Moscow - "Polymerization of oleic ester  
compounds" (Group 3-B)

KOVSEMOV, S. S., SHCHETIN, V. A., SLEZET, KAZAKHO,  
A. A., BULAVKIN, D. V., and KAZAKHO, A. R.,  
Scientific Research Physico-Chemical Institute  
Ipat'ev, M. M. Karpov, Moscow - "Polymerization  
catalyzed by lithium and lithium alky" (in German)  
(Group 3-D)

MAKAROV, N. S., TROFIMOV, A. V., and POLAK, L. S.,  
Institute of Synthetic Polymers, Academy of  
Sciences USSR, Moscow - "On the catalytic polymerization  
and radiochemistry of allylbenzene" (Group 4-A)

PROKOPENKO, K. B., All-Union Scientific Research  
Institute of Synthetic Rubber, Tula - "Synthetic  
Leningrad - "Temperature effect on polymer  
structure in diene polymerization by alkali metals"  
(Group 3-B)

RUMYANTSEV, I. V., SAVCHENKO, V. G., All-Union  
Scientific Research Institute of Synthetic Rubber,  
Leningrad - "Study of branching in regular  
isoprene polymers" (Group 2)

PONOMARENKO, I. Ya., KREPENSKIY, M. F., BAGINSKON,  
K. M., and TROFIMOV, A. V., All-Union Scientific  
Research Institute of Synthetic Rubber, Tula  
S. V. Laboratory, "Investigation of the nature of  
molecular-weight distribution and properties  
of styrene-butadiene rubbers depending on  
polymerization conditions" (Group 3-A)

PAVLENKO, N. N., TROFIMOV, Ye. N., TITOV,  
Shekhter, and KREPENSKIY, S. S., Scientific Research  
Physico-Chemical Institute Ipat'ev, L. Ya. Karpov,  
Moscow - "Investigation of the mechanism of  
radiolysis of polymers containing quaternary atoms  
of carbon" (Group 4-S) Preobrazhenskiy, V. M.

SEVERIN, Viktor M., Institute of High Molecular  
Compounds of the Academy of Sciences USSR,  
Tashkent - "Spherulite-regularity and optical  
anisotropy of macromolecules" (Group 4-C)

SEMENOV, Khasidin M. I. and SLEZET, K. I., Academy  
of Sciences USSR, "Macromolecular investigation  
of the mechanism of the action of cellulose polyaldehydes  
according to the molecular weight" (Group 4-C)

SENKOVICH, N. S., Institute of Chemical Physics  
of the Academy of Sciences USSR, Moscow - "On  
the kinetics of formaldehyde polymerization and  
polyformaldehyde degradation" (Group 3-B)

SUSHKEVICH, T.I.; USMANOV, Kh.U.

Inhomogeneity of cotton cellulose. Vysokom. soed. 3 no.3:359-362  
Mr '61. (MIRA 14:6)

1. Institut khimii polimerov, AN UzSSR.  
(Cellulose) (Cotton) (Molecular weights)

USMANOV, Kh.U.; ZARIPOVA, A.M.; SUSHKEVICH, T.I.

Change in the physicochemical properties of cellulose during  
insolation. Khim. i fiz.-khim. prirod. i sint. polim. no.1:  
35-38 '62 (MIRA 18:1)

1. Chlen-korrespondent AN UzSSR (for Usmanov).

SUSHKEVICH, T.N. [Suchkevych, T.N.]

Symmetry of the energy structure of the groups  $C_{2h}^{18}$ ,  $C_{2h}^{19}$ ,  $D_2^7$ ,  
 $D_{2h}^{23}$ ,  $D_{2h}^{24}$ . Ukr. fiz. zhur. 10 no.8:861-866 Ag '65.

(MIRA 18:8)

1. Chernovitskiy gosudarstvennyy universitat.

SUSHKEVICH, T.N.

Energy structure of SnS type crystals. Izv. vys. ucheb.  
zav.; fiz. no. 3:128-133 '64. (MIRA 17:9)

1. Chernovitskiy gosudarstvennyy universitet.

TOVSTYUK, K.D.; SUSHKEVICH, T.I. [Sushkevych, T.M.]

Zone symmetry in crystals of groups  $C_{11-2V}^{17}$ ,  $D_2^5$ ,  $D_2^6$ ,  $D_{2h-2h}^{17-22}$ .

Ukr. fiz. zhur. 9 no. 9:932-942 S '64.

(MIRA 17:11)

1. Chernovitskiy gosudarstvennyy universitet.

SUSHKEVICH, V., inzh.

Contents of the published information on the stability of an  
average fishing trawler. Mor. flot 22 no.2:22-23 F '62.

(MIRA 15:4)

(Stability of ships) (Trawls and trawling)

SUSHKEVICH, V. I. (editor)

"Vacuum-Tube Amplifiers" (Lampovye usiliteli), Part I, Izdatel'stvo  
"Sovetskoye Radio," 359 pp. 1951.

Book W-22459, 22 Apr 52

YEFIMOV, I.Ye.; GRODNEV, I.I., doktor tekhn. nauk, prof., retsenzent;  
SUSHKEVICH, V.I., kand. tekhn. nauk, retsenzent; SRETENSKIY,  
V.N., retsenzent; GOLOVANOVA, L.V., red.

[Radiofrequency transmission lines] Radiochastotnye linii pe-  
redachi. Moskva, Sovetskoe radio, 1964. 599 p. (MIRA 17:5)

FEDOSEYEVA, Yelena Osipovna; BYSYMONT, L.O., red.; TUMANOVSKIY, R.F., tekhn.  
red.; SUSHKEVICH, V.I., tekhn. red.

[Amplifying devices] Ustilitel'nye ustroistva. Moskva, Gos.izd-vo  
"Iskusstvo," 1961. 310 p. (MIRA 14:6)  
(Amplifiers (Electronics))

RAKHMANINOV, V.S. [translator]; TUREVSKIY, V.M. [translator]; SUSHKEVICH,  
V.I., kand.tekhn.nauk, red.; DANILOV, N.A., red.; KLIMENKO, S.V.,  
tekhn.red.

[Band systems of super-high frequencies; collected studies]  
Poloskovye sistemy sverkhvysokikh chastot; zhurnal statei.  
Moskva, Izd-vo inostr.lit-ry, 1959. 356 p. (MIRA 12:8)  
(Electric circuits)

SUSHKEVICH, V. I.

V. I. SUSHKEVICH, "Use of strip lines in microwave frequency technique." Scientific Session Devoted to "Radio Day", May 1958, Trudrezervizdat, Moscow, 9 Sep. 58

Strip lines of symmetric and asymmetric kinds as well as high-frequency elements and components using strip lines are planer systems whose properties are determined by the shape of the strip conductor. The preparation of such a system reduces to the preparation of a strip conductor of given outline. This circumstance permits the printed circuit method to be used to prepare strip components, which incidentally leads to simplification of construction, a reduction in scale and weight and to the automation of the production of radio engineering apparatus. Moreover, two-dimensional microwave systems disclose new possibilities of constructing apparatus with complex characteristics, which would be a very difficult technological but timely and practically unfulfillable problem in the usual coaxial and waveguide variations.

Despite the simplicity of realizing strip systems, the design of their primary parameters is more complex, as a rule, than for coaxial and waveguide systems. The methods of measuring the parameters of the inhomogeneities in strip systems also differ by certain peculiarities.

Analyzed in the note are peculiarities and realizing certain components and microwave frequency systems by using strip lines.

SUSHKEVICH, V.I., kandidat tekhnicheskikh nauk, redaktor; MAGILEVSKIY, Yu.A.  
redaktor; IOVLEVA, N.A., tekhnicheskiy redaktor

[Symposium on microwave strip circuits. Translated from the English]  
Pechatnye skhemy santimetrovogo diapazona; spornik statei. Perevod.  
Pod red. V.I.Sushkevicha. Moskva, Izd-vo inostrannoi lit-ry, 1956.  
400 p. (MLRA 9:11)

(Printed circuits)